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**ABSTRACT OF THE DISCLOSURE**

A method of controlling a memory device. The method includes providing first block size information to the memory device, wherein the first block size information defines a first amount of data to be input by the memory device in response to a write request. A first portion of the first amount of data is provided to the memory device synchronously with respect to a first transition of an external clock signal. A second portion of the first amount of data is provided to the memory device synchronously with respect to a second transition of the external clock signal. The method further includes issuing a write request to the memory device, wherein in response to the write request the memory device inputs the first amount of data corresponding to the first block size information.